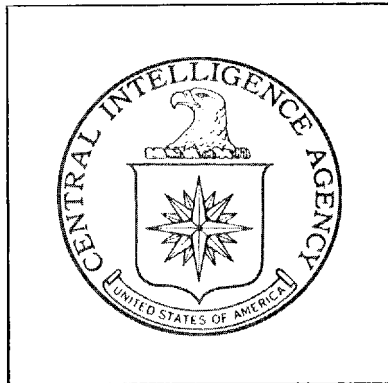


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DIRECTORATE OF
INTELLIGENCE

**Industrial Facilities
(Non-Military)**

Basic Imagery Interpretation Report

Selected Electric Power Plants
Anhui Province, China

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RCS 13/0052/72
TCS 16350/72
DATE MAY 1972
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RCS 15/0052/72

CENTRAL INTELLIGENCE AGENCY
Directorate of Intelligence
Imagery Analysis Service

ABSTRACT

This report updates the previous basic reporting on three of the major electric power plants in Anhwei Province, eastern China. It also includes initial basic reports on two additional plants, the Ho-fei and Wu-hu thermal power plants. The cutoff date for information is [REDACTED]

Ho-fei Thermal Power Plant was under construction when observed in [REDACTED]. It appeared complete by [REDACTED]. Wu-hu Thermal Power Plant Ssu-ho-shan appeared to be partially complete when it was first observed on photography in [REDACTED]. [REDACTED] was probably complete by [REDACTED].

Construction has been resumed at Ching-hsien Hydro Power Plant Chen-tsun since it was last observed in [REDACTED]. At Huai-nan Thermal Power Plant, a new power plant has been observed under construction next to the existing one. At Ma-an-shan Thermal Power Plant, the generator hall at the southern (newer) plant has been expanded. The northern power plant appeared inactive.

On the latest coverage, the plants at Ho-fei, Huai-nan, Ma-an-shan, and Wu-hu were operating. The Ching-hsien plant was not operational.

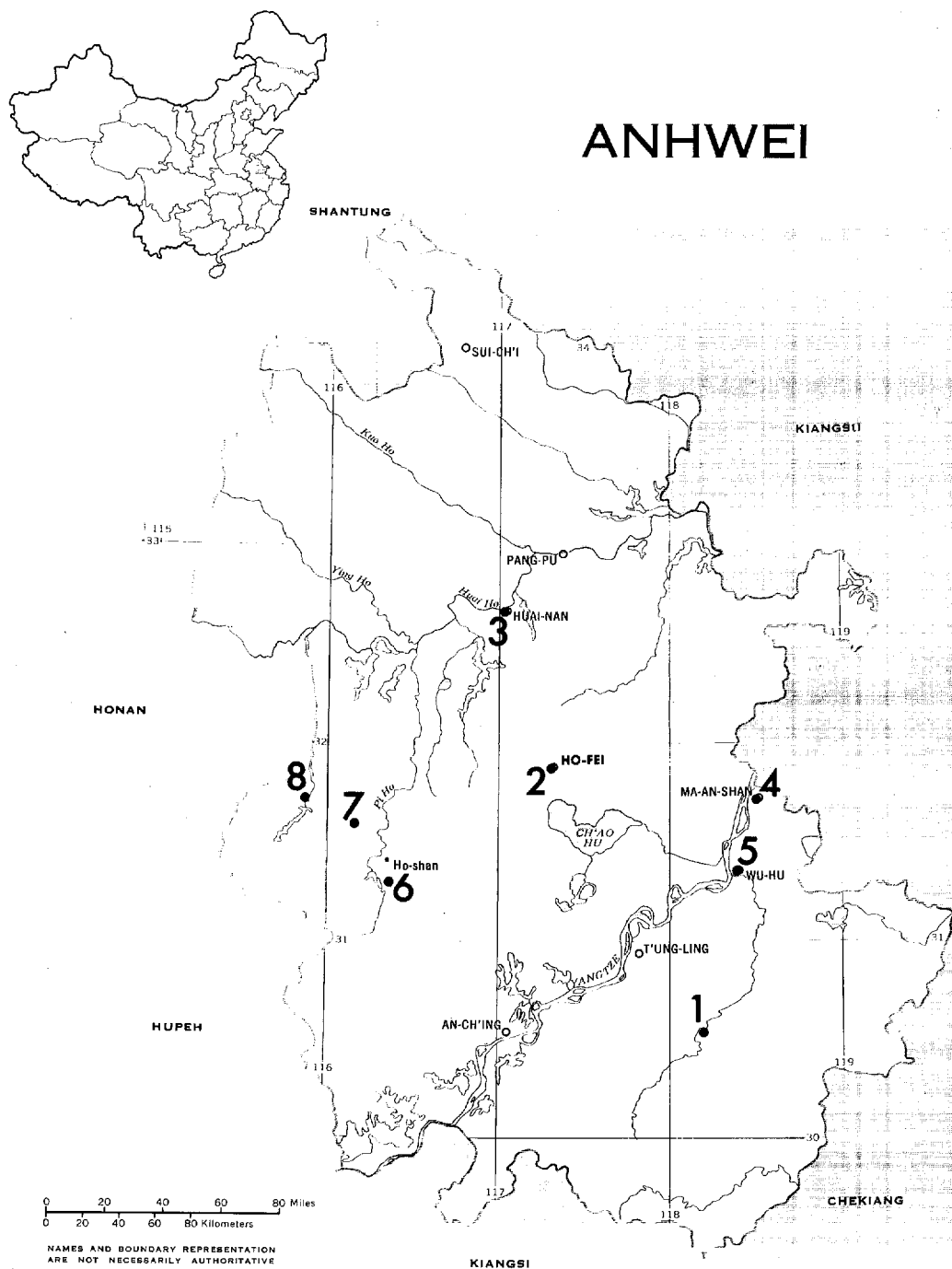


FIGURE 1. LOCATION MAP.

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INTRODUCTION

A total of eight major electric power plants in Anhwei Province have now been reported in Basic Imagery Interpretation Reports. This report fulfills the FY-72 requirement for updates and initial reports on the following facilities (see Figure 1).

1. Ching-hsien Hydro Power Plant Chen-tsun.
2. Ho-fei Thermal Power Plant.
3. Huai-nan Thermal Power Plant.
4. Ma-an-shan Thermal Power Plant.
5. Wu-hu Thermal Power Plant Ssu-ho-shan.

The following is a list of other major power plants in Anhwei Province that are not covered in this report, but details of which can be found in previous Basic Reports (Figure 1).

6. Ho-shan Hydro Power Plant Fou-tzu-ling.
7. Tu-shan Hydro Power Plant and Dam Hsiang-hung-tien.
8. Yang-chia-tan Hydro Power Plant and Dam Mei-shan.

Requirement

COMIREX N05
Support Number 422722

Documents

- CIA. RCS-13/0008/71, Major Electric Power Plants, Anhwei Province, China,
February 1971, TCS-15911/71 (TOP SECRET RUFF)
- CIA. RCS-13/0016/70, Major Electric Power Plants, Anhwei Province, China,
December 1969, TCS-10804/69 (TOP SECRET RUFF)

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FIGURE 2. CHING-HSIEN HYDRO POWER PLANT CHEN-TSUN

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INSTALLATION OR ACTIVITY NAME		COUNTRY
Ching-hsien Hydro Power Plant Chen-tsun		CH
25X1A	UTM COORDINATES	GEOGRAPHIC COORDINATES
	50RPJ138716	30-28-29N 118-11-01E
MAP REFERENCE		
25X1C	USATC, Series 200, Sheet M0493-9HL, 2nd ed, Jun 67, Scale 1:200,000	
25X1C	(SECRET/No Foreign Dissem)	
LATEST IMAGERY USED		NEGATION DATE (if required)
25X1D		NA

BASIC DESCRIPTION

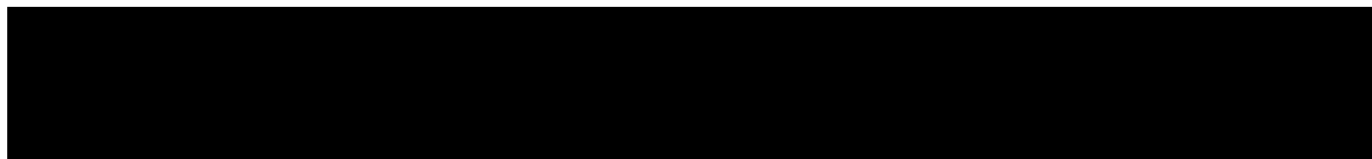
25X1D Construction has been resumed at Ching-hsien Hydro Power Plant Chen-tsun since [REDACTED] the date of the latest photography used in the previous report. This is the first evidence of construction activity observed at the

25X1D plant since [REDACTED]

25X1D In [REDACTED] the powerhouse appeared to be in a midstage of construction and a batch plant located just downstream from the dam was in operation (see Figure 2). The hydro power plant was not operational.

Imagery Reference

25X1D



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INSTALLATION OR ACTIVITY NAME		COUNTRY
Ho-fei Thermal Power Plant		CH
25X1A UTM COORDINATES 50RNL239300	GEOGRAPHIC COORDINATES 31-54-50N 117-15-10E	
MAP REFERENCE		
USATC, Series 200, Sheet M0493-3HL, 3rd ed. Apr 68, Scale 1:200,000 (SECRET/No Foreign Dissem)		
LATEST IMAGERY USED		NEGATION DATE (if required)

BASIC DESCRIPTION

Ho-fei Thermal Power Plant is located approximately 3.5 nm north-northwest of Ho-fei. It occupies an irregular-shaped area about 1,100 feet by 750 feet and is partially secured by a wall. The plant is road and rail served.

Construction of the plant began after [REDACTED] When it was observed in [REDACTED] the smoke stack, a section of the boilerhouse, a section of the generator hall, and one bank of induced-draft cooling units were under construction. By [REDACTED] the boilerhouse and generator hall were partially complete and the cooling unit, switching yard, control house, and coal storage and handling facilities appeared complete. A second bank of induced-draft cooling units was under construction. In [REDACTED] the plant appeared complete although poor quality photography precluded detailed analysis.

The plant has been operating on all referenced coverage since [REDACTED] as indicated by smoke coming from the stack.

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Next 1 Page(s) In Document Exempt

25X1D

INSTALLATION OR ACTIVITY NAME		COUNTRY
Huai-nan Thermal Power Plant		CH
25X1A UTM COORDINATES	GEOGRAPHIC COORDINATES	
50SNM022148	32-40-09N 117-01-22E	
MAP REFERENCE		
25X1C	USATC, Series 200, Sheet M0386-21HL, 3rd ed, May 68, Scale 1:200,000	
25X1C	(SECRET/No Foreign Dissem)	
LATEST IMAGERY USED		NEGATION DATE (if required)
25X1D		

BASIC DESCRIPTION

25X1D A new thermal power plant has been observed under construction at Huai-nan
25X1D Thermal Power Plant since [REDACTED] the date of the latest photography used
25X1D in the previous report. [REDACTED]
25X1D [REDACTED] The new plant was first observed
25X1D under construction in [REDACTED] At that time the boilerhouse was under
construction, and the generator hall section and the stack appeared externally
complete.

The existing plant was operating on all referenced photography as indicated
by smoke coming from the stacks. The new plant has not been observed operating.

Imagery References

25X1D [REDACTED]

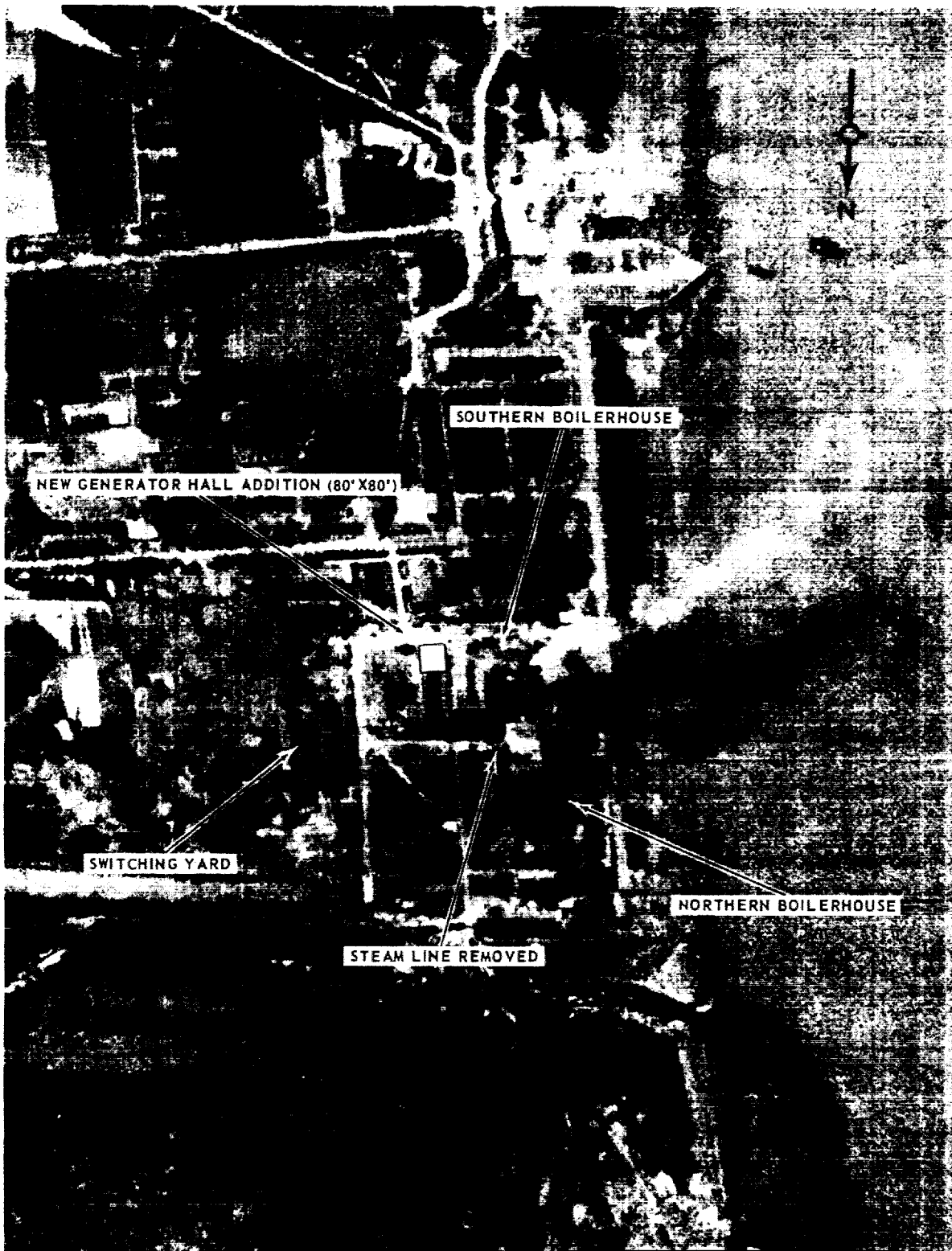


FIGURE 5. MA-AN-SHAN THERMAL POWER PLANT.

25X1D

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INSTALLATION OR ACTIVITY NAME		COUNTRY
Ma-an-shan Thermal Power Plant		CH
25X1A	UTM COORDINATES	GEOGRAPHIC COORDINATES
	50RPL384112	31-43-27N 118-27-42E
25X1C	MAP REFERENCE	
25X1C	USATC, Series 200, Sheet M0493-4HL, 4th ed, Apr 68, Scale 1:200,000	
	(SECRET/No Foreign Dissem)	
LATEST IMAGERY USED		NEGATION DATE (If required)
25X1D		NA

BASIC DESCRIPTION

- 25X1D New construction has been observed at Ma-an-shan Thermal Power Plant since [REDACTED] the date of the latest photography used in the previous report.
- 25X1D Photography of [REDACTED] revealed that a section, 80 by 80 feet, has been added to the generator hall at the southern (newer) power plant (see Figure 5). In addition, a steam line that connected the northern and southern power plants had been removed and the northern plant appeared inactive. It can now be determined that the steam line probably was not present on the [REDACTED] photography.
- 25X1D [REDACTED]
- 25X1D The southern plant was operating in [REDACTED] as indicated by smoke coming from the stack.

Imagery Reference

25X1D

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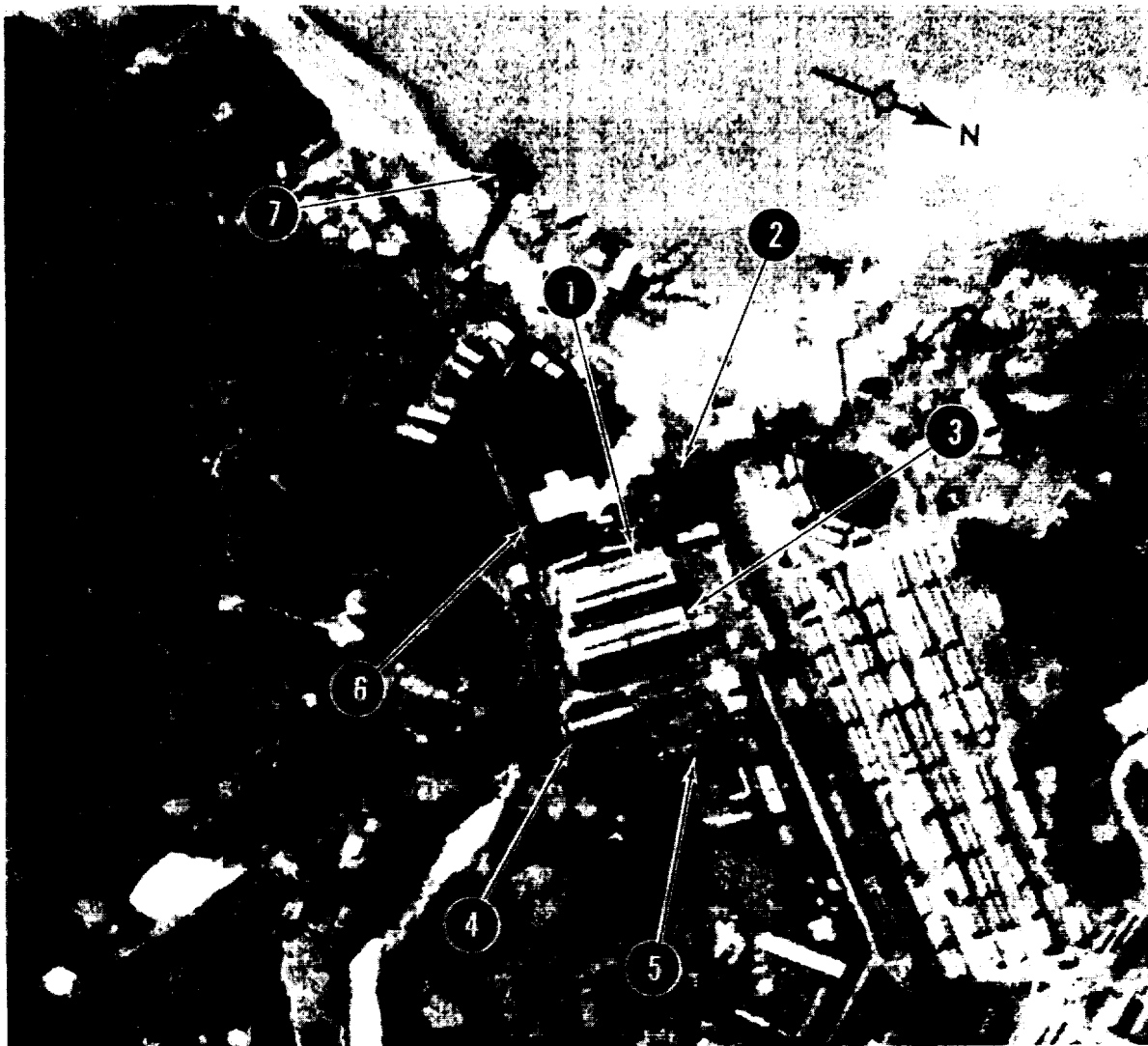


FIGURE 6. WU-HU THERMAL POWER PLANT SSU-HO-SHAN.

Key to Annotations		
Item	Description	Dimensions (feet)
1	Boilerhouse	
2	Water treatment facility	
3	Generator hall	
4	Control building	
5	Switching yard	
6	Coal storage and handling facility	
7	Coal offloading pier	

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INSTALLATION OR ACTIVITY NAME		COUNTRY
Wu-hu Thermal Power Plant Ssu-ho-shan		CH
25X1A		
UTM COORDINATES		GEOGRAPHIC COORDINATES
50RPK276796		31-26-21N 118-20-31E
MAP REFERENCE		
25X1C	USATC, Series 200, Sheet 0493-4HL, 4th ed. Apr 68, Scale 1:200,000	
25X1C	(SECRET/No Foreign Dissem)	
LATEST IMAGERY USED		NEGATION DATE (if required)
25X1D		NA

BASIC DESCRIPTION

Wu-hu Thermal Power Plant Ssu-ho-shan is located approximately 6 nm north-northwest of Wu-hu. The plant is located on the Ch'ang Chiang (Yangtze River) and is road served. It is partially secured by a wall.

25X1D In [REDACTED] the plant consisted of a boilerhouse with four boiler units, a generator hall, a switching yard, a control house, a water treatment facility, and a coal storage and handling facility. The switching yard contained two transformers. A coal offloading pier located nearby on the river is connected to the plant by conveyor (see Figure 6).

25X1D When the plant was first observed on photography in [REDACTED] it consisted of a boilerhouse with two boiler units, a generator hall with probably one generator, a masonry stack, and a coal handling and processing facility. The control house and a water treatment facility were in an early stage of construction. The switching yard appeared to be about half complete and contained one transformer. A bus bar leading from the generator hall to the transformer was also observed.

25X1D In [REDACTED] additions to the boilerhouse and generator hall were in a very early stage of construction. The control house was externally complete and the water treatment facility was in a late stage of construction. By

25X1D [REDACTED] the addition to the generator hall appeared externally complete and only about half of the boilerhouse remained to be roof covered. In addition, a second transformer had been installed in the switching yard and a new coal storage/handling building had been constructed.

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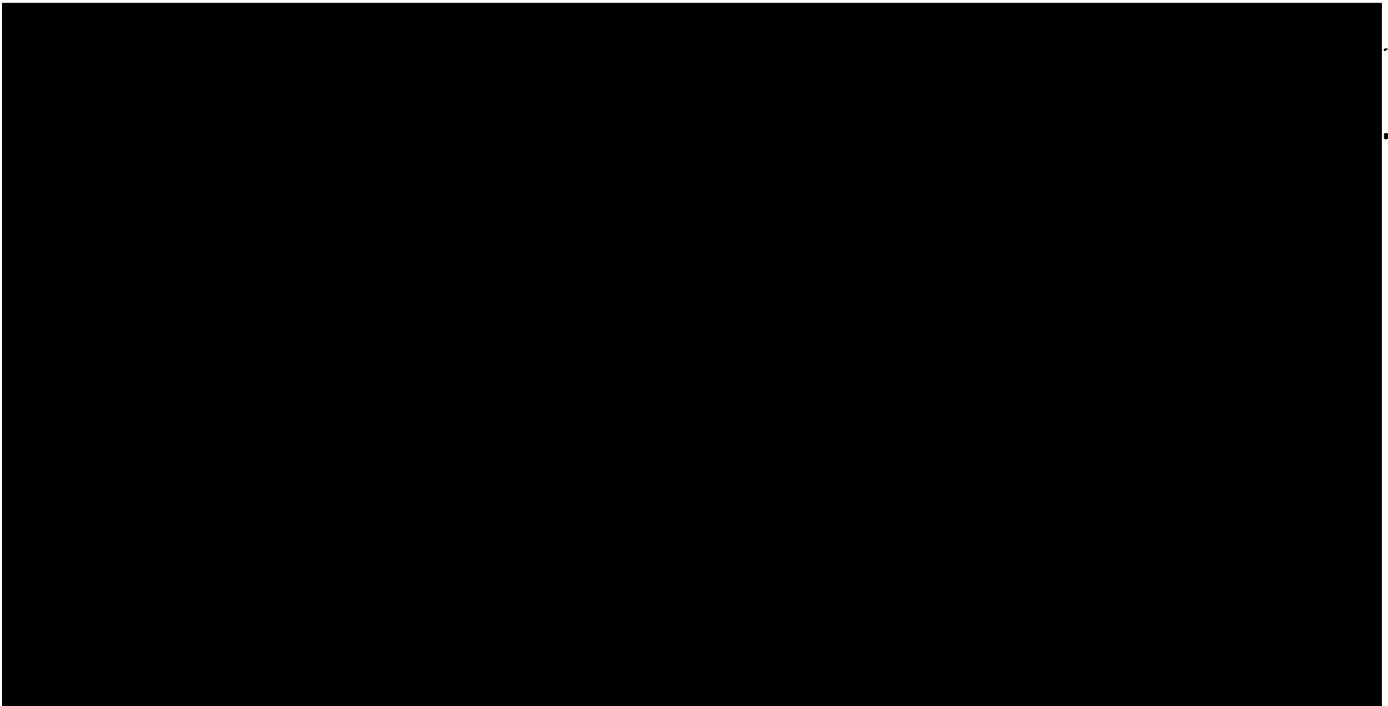
25X1D



25X1D

The plant was first observed operating [redacted] and it was operating on all subsequent coverages as indicated by smoke coming from the stack.

25X1D



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